

11000 U.S. PTO  
09/852824



Class	Subclass	ISSUE CLASSIFICATION
438	108	

PATENT NUMBER

# U.S. UTILITY Patent Application

SCANNED <i>M/V</i>	O.I.P.E. <i>15-3</i>	PATENT DATE
		<i>Am</i>

APPLICATION NO. 09/852824	CONT/PRIOR D F	CLASS 438	SUBCLASS 108	ART UNIT <i>2812</i> <i>2823</i>	EXAMINER <i>Lat. Kim</i> <i>60070.1</i>
------------------------------	-------------------	--------------	-----------------	--	--

APPLICANTS

Charles Lin

TITLE

Bumpless flip chip assembly with solder via

PTO-2040  
12/99

ISSUING CLASSIFICATION									
ORIGINAL		CROSS REFERENCE(S)							
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)						
<del>438</del>	<del>108</del>	<del>438</del>	<del>18</del>	<del>113</del>	<del>127</del>	<del>663</del>	<del>667</del>		
INTERNATIONAL CLASSIFICATION									
<del>H01L</del>	<del>21/44</del>								
<del>H01L</del>	<del>21/48</del>								
<del>H01L</del>	<del>21/50</del>								

☐ Continued on Issue Slip inside File Jacket

<input checked="" type="checkbox"/> <b>TERMINAL DISCLAIMER</b>	DRAWINGS			CLAIMS ALLOWED	
	Sheets Drwg.	Figs. Drwg.	Print Fig.	Total Claims	Print Claim for O.G.
	<i>4</i>	<i>5</i>	<i>18</i>	<i>105</i>	<i>1</i>
<input type="checkbox"/> The term of this patent subsequent to _____ (date) _____ has been disclaimed.	<i>D.M. COLLINS</i> <i>4/6/02</i> (Assistant Examiner) (Date)			NOTICE OF ALLOWANCE MAILED	
<input checked="" type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S. Patent. No. <i>6,319,751</i>				ISSUE FEE	
				Amount Due	Date Paid
<input type="checkbox"/> The terminal _____ months of this patent have been disclaimed.				ISSUE BATCH NUMBER	

## WARNING:

The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

Form PTO-436A  
(Rev. 6/99)

FILED WITH: ☐ DISK (CRF) ☐ FICHE ☐ CD-ROM  
(Attached in pocket on right inside flap)